



**MAULANA ABUL KALAM AZAD UNIVERSITY OF
TECHNOLOGY, WEST BENGAL**

Paper Code : CS-802E

E-COMMERCE

Time Allotted : 3 Hours

Full Marks : 70

The figures in the margin indicate full marks.

*Candidates are required to give their answers in their own
words as far as practicable.*

GROUP - A

(Multiple Choice Type Questions)

1. Choose the correct alternatives for the following :

10 × 1 = 10

i) Which one of the following is not an E-Commerce ?

- | | |
|--------|---------|
| a) B2C | b) B2G |
| c) B2D | d) B2B. |

ii) The default port of HTTP is

- | | |
|-------|--------|
| a) 81 | b) 80 |
| c) 70 | d) 71. |

- iii) ISP stands for
- a) Internet Service Provider
 - b) Internet Service Protocol
 - c) Intranet Service Protocol
 - d) none of these.
- iv) Electronic commerce is enabled by
- a) EDP era technologies
 - b) MIS era technologies
 - c) Internet era technologies
 - d) all of these.
- v) Friction in a transaction is defined as
- a) overhead
 - b) loss
 - c) profit
 - d) none of these.
- vi) Flood attack by attackers happens on
- a) router
 - b) hub
 - c) switch
 - d) server.
- vii) Which one of the following is ASCII protocol ?
- a) SNMP
 - b) SMTP
 - c) SET
 - d) PGP.
- viii) Credit Card payment is under
- a) B2B e-commerce
 - b) B2C e-commerce
 - c) C2C e-commerce
 - d) none of these.
- ix) E-trading is also called
- a) E-brokering
 - b) E-supply
 - c) E-auctions
 - d) both (a) and (b).

- x) DES stands for
- Data Encryption Standard
 - Digital Encryption Standard
 - Double Encryption Standard
 - Data Encryption System.

GROUP - B

(Short Answer Type Questions)

Answer any *three* of the following. $3 \times 5 = 15$

- Define Electronic Data Interchange. What are the components of Electronic Data Interchange ? $2 + 3$
- Explain how SSL protocol is used for secure transaction. Explain the advantages of e-commerce. $3 + 2$
- Discuss in brief virtual auction. Explain the differences between virtual auction and reverse auction. $2 + 3$
- What is Firewall ? State the function of Firewall in e-commerce. $2 + 3$
- What role does SCM play in Business to Business model i.e. B2B e-commerce ?

GROUP - C

(Long Answer Type Questions)

Answer any *three* of the following. $3 \times 15 = 45$

- Explain the different types of digital documents. How risk is handled in e-Payment system ? Explain how Smart Cards and Credit Cards have roles in e-commerce applications. $5 + 5 + 5$

8. Describe the functional requirements for online selling and what specialized services and servers perform these functions. Who are the stakeholders in e-commerce information system ? Explain the benefits and limitations of e-commerce. Explain the concept of 'Business Content' in SAP Business Information Warehouse. 5 + 2 + 3 + 5
9. a) Define digital cash or e-cash. Explain with example how an online banking system works.
b) Explain the working principle of DES algorithm. 4 + 6 + 5
10. Distinguish between SSL and SET protocol. Explain EAN coding system for EDI message. Explain the ways and means of protecting online website operations from hackers. 5 + 5 + 5
11. Write short notes on any *three* of the following : 3 × 5
- a) RSA algorithm
 - b) Trade cycle and different stages of a Trade cycle
 - c) Data Warehouse
 - d) Decision support system
 - e) Collaborative computing.
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